

The Common Denominator

A Family Math Newsletter

Math 6 Unit 3: Proportionality: Ratios and Rates

Unit at a Glance



Skills/ Topics:

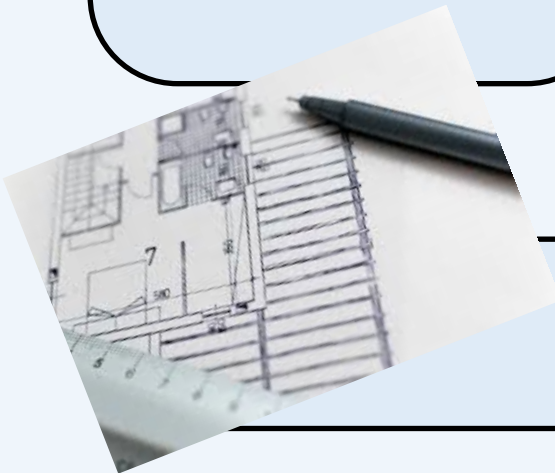
- Represent ratios and rates symbolically, in tables, and in graphs.
- Convert within and between measurement systems.
- Convert among fractions, decimals, and percents.
- Find a percent of a quantity and find the whole when given a percent and a part.
- Solve problems using unit rates, ratios, proportions, and percent.

Length:

- 45 minute period: 27 days
- 90 minute period: 14 days

Exploring Mathematics

Architects design buildings and other structures. They make sure buildings are functional, safe, and economical. They draw plans of every part of a building, including the plumbing and electrical systems. They also help choose a building site and decide what materials to use.



Resource Toolkit

HMH Resources

Module 6: Representing Ratios and Rates pg. 145-168

Module 7: Applying Ratios and Rates pg. 169-198

Module 8: Percents pg. 199-224

Discovery ED Techbook Info

Grade 6

Ratios, Concept 1.1

Unit Rates and Percents Concept 4.1

Homework Help Section

[Mathbits: Ratios](#)

[Mathbits: Rates](#)

[Mathbits: Proportions](#)

“Not everything that can be counted counts, and not everything that counts can be counted.”

-Albert Einstein